

MECHANICAL DATA

Maximum Overall Length	2.043 Inches
Maximum Overall Diameter814 Inches
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage (AC or DC)	6.3 Volts
Heater Current	135 Ma

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate	1.3 $\mu\mu\text{f}$ Avg.
Grid to Cathode	2.3 $\mu\mu\text{f}$ Avg.
Plate to Cathode090 $\mu\mu\text{f}$ Max.

RATINGS (Absolute Values)

Plate Dissipation	5 Watts	Max.
Plate Voltage	165 Volts	Max.
Plate Current	31 Ma	Max.
Seal Temperature	175°C	Max.

CHARACTERISTICS

Conditions ($E_b=135$, $R_k=68$ ohms)		
Transconductance	6400 μmhos	
Amplification Factor	20	

TYPICAL OPERATING CONDITIONS

UHF Oscillator, CW — 1700 MC		
Plate Voltage	120 Volts	
Grid Resistor	Adjust for 25 Ma Plate Current	
Operating Frequency	1700 Mc	
Power Output (minimum)	300 MW	

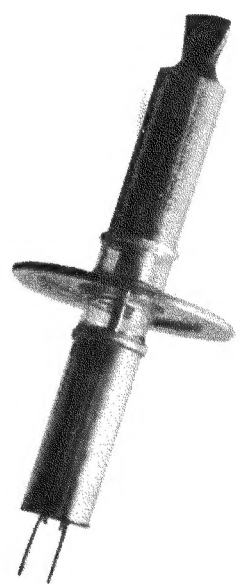
APPLICATION DATA

The double ended construction of the Sylvania Type 5675 makes this tube especially attractive for use in coaxial type cavities at frequencies up to 3000 mc. The mechanical configuration also lends itself readily to lumped-constant and butterfly circuitry. However, coaxial cavities are recommended for operation above 1000 mc.

QUICK REFERENCE DATA

The Sylvania Type 5675 is a medium mu pencil triode designed for service as a cw oscillator, frequency multiplier or grounded grid amplifier at frequencies up to 3000 mc.

The mechanical configuration is particularly adaptable to grounded grid circuitry.



**SYLVANIA ELECTRIC
PRODUCTS INC.**

**ELECTRONICS DIVISION
WOBURN, MASS.**

*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

SYLVANIA

5675

OUTLINE DRAWING

